



Weather Briefing

February 1, 2015 5:00 PM Update



National Weather Service
Detroit/Pontiac, MI

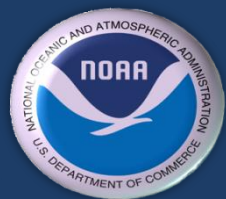
<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



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Decision Support Briefing Highlights



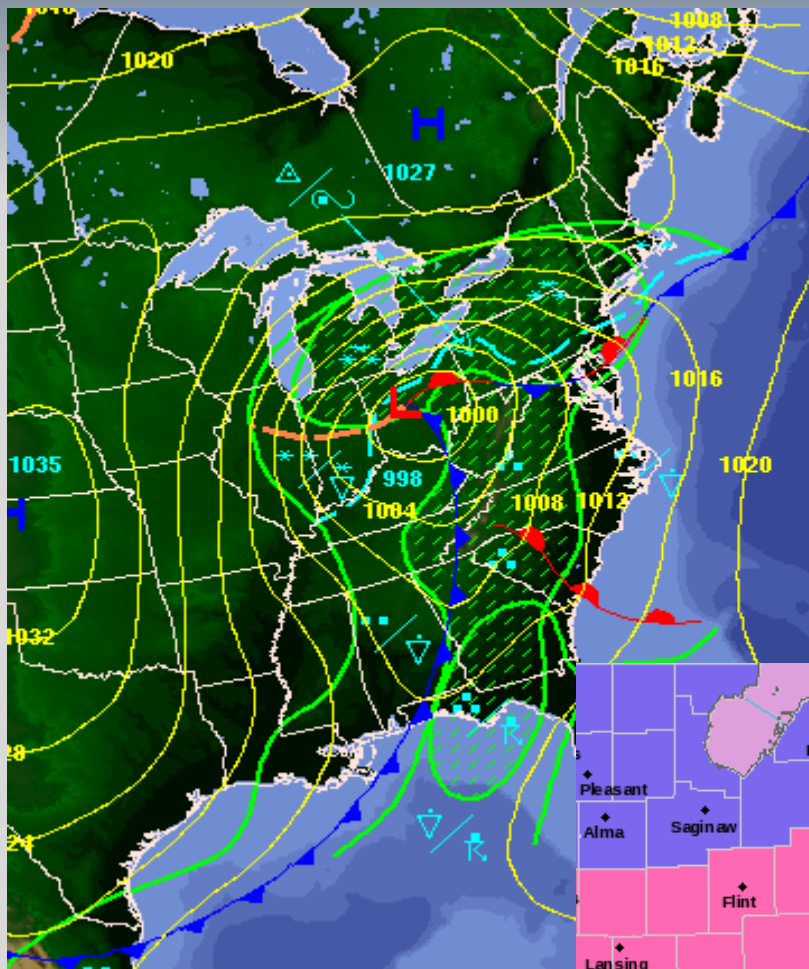
Event Summary

**Long period of accumulating
snow to continue through tonight**

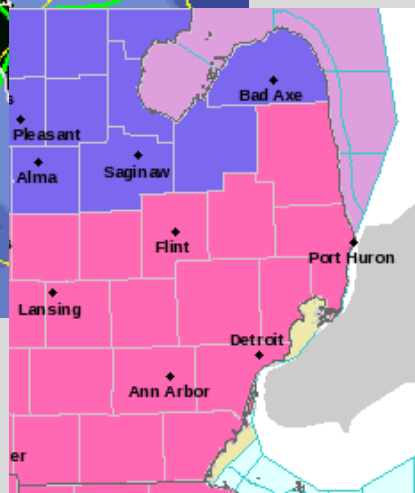
Most intense snow this evening

**Winter Storm Warning: Most of
Southeast Michigan**

**Winter Weather Advisory:
Tri-Cities and Northern Thumb**



Forecast weather map for
1:00 AM EST Monday





Winter Hazard Risk Assessment



Extreme

High



Moderate

Low

**This Event is a
Rare Weather Event**

Large Disruption to Daily Life

Potentially Life Threatening

Recovery Time
Several Hours to a Day After the
Weather Ends

Extreme:

- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

High:

- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a day

Moderate:

- Occasional Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends



Potential Impacts

Road Conditions

- Untreated roads will be slippery and snow-packed
- **Unnecessary travel is discouraged!**
- Temperatures: Teens this evening, then falling to single digits and low teens by sunrise
- Northeast winds 15 to 25 MPH gusting to 30 mph will result in blowing and drifting snow

Additional Potential Impacts

- Travel may be severely restricted
- Long-duration snow event (greater than 18 hours of snow)
- Cold, with wind chills 5 to -10 below by sunrise

Power Outage Potential

High

Medium

Low



Blowing/Drifting Potential

High

Medium

Low





Timing of Winter Weather

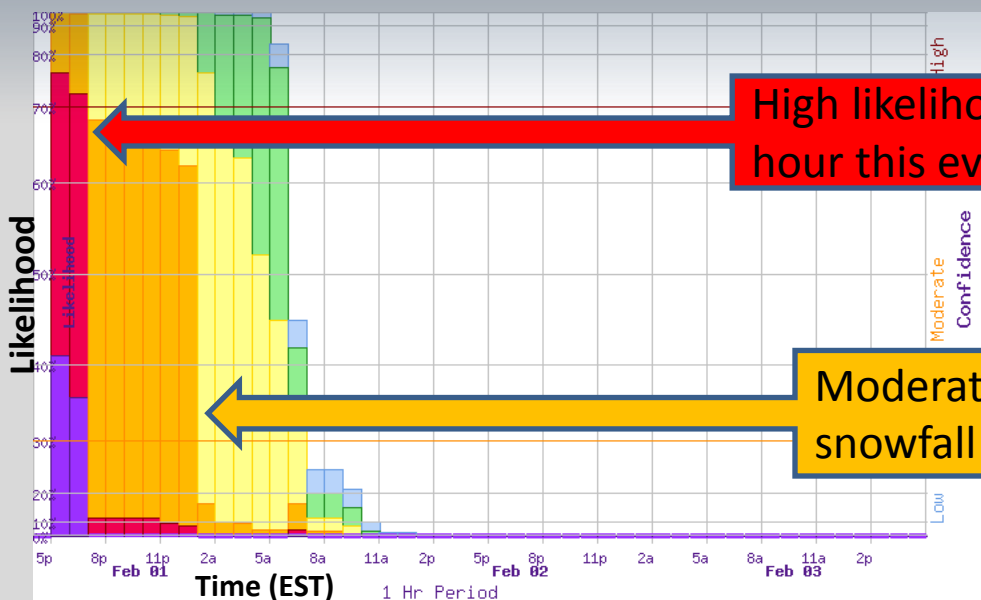


Beginning	<ul style="list-style-type: none">• Ongoing most areas• Expanding into the thumb this evening
Heaviest	<ul style="list-style-type: none">• Most intense snowfall this evening and the first half of tonight• Snowfall rates of up to 1-2 inches per hour during peak.
Ending	<ul style="list-style-type: none">• Snow will end during Monday morning, around sunrise and the early part of the morning rush-hour.



Snowfall Confidence

Snow Intensity Tonight



High likelihood to see snowfall rates up to 2 inches per hour this evening.

Moderate to High Confidence of 1 inch per hour snowfall rates continuing past midnight.

- Likelihood to Achieve - 0.1 inch Snowfall
- Likelihood to Achieve - 0.25 inch Snowfall
- Likelihood to Achieve - 0.5 inch Snowfall
- Likelihood to Achieve - 1.0 inch Snowfall
- Likelihood to Achieve - 2.0 inch Snowfall
- Likelihood to Achieve - 3.0 inch Snowfall

South-Metro

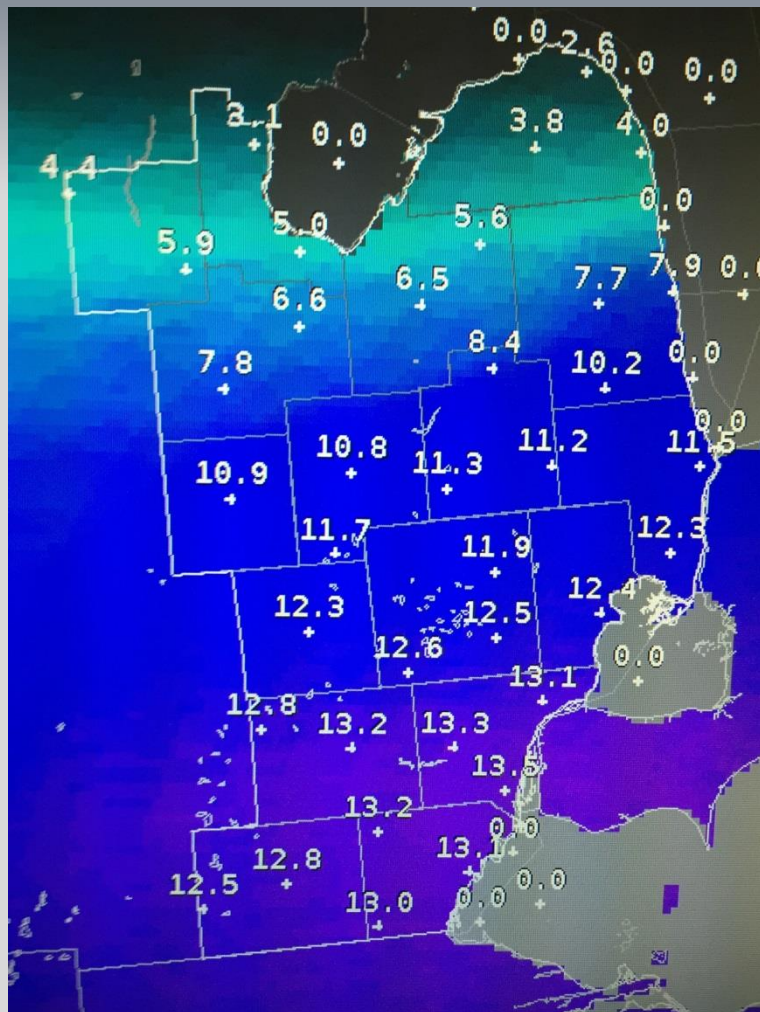
Snow intensity and confidence in hourly amounts tonight.

Peak	Evening for Metro-Detroit
End	Tapering off at the start of morning rush hour Monday morning



Storm Total Snowfall

Accumulation Totals through Tonight



Storm Total Snow (inches) through 7 AM Monday

Snow Accumulation

- 10 to 14 inches south of the I-69 corridor
- Locally higher amounts possible, especially near the Ohio border

Type of Snow

Average snow transitioning to light and fluffy

Additional Hazards

- Blowing and drifting of snow
- Cold with wind chills 5 to -10 tonight



Additional Information



Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

Great Lakes Marine Portal

<http://www.weather.gov/greatlakes>

Snowfall Accumulation Probabilities

<http://www.crh.noaa.gov/dtx/ProbSnow.php>

Hourly Snowfall Probabilities

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>



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